2.

1	8_	_	'/		0	,
	0 -	0	6	~	0	

8. X

Please type a plus sign (+) inside this box -

Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original and a duplicate for fee processing)

Applicant claims small entity status.

Approved for use through 10/31/2002 OMB 0651-0032. U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMR control number.

## UTILITY PATENT APPLICATION **TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

or 1999, no persons are required to respor	id to a collection of thio mation differs it displays a valid of the control name
Attorney Docket No.	480140.428D3
First Inventor	William A. Horne
Title	HUMAN BAD POLYPEPTIDES, ENCODING NUCLEIC ACIDS AND METHODS OF USE
Express Mail Label No.	EL897865945US

	NUCLEIC ACIDS AND DF USE	1
EL89786594	5US	0
		_
CD-ROM or CD-F	R in duplicate, large table or	
Computer Progra		
	Amino Acid Sequence	
	plicable, all necessary)	
•	adable Form (CRF)	
	Sequence Listing on: or CD-R (2 copies); or	}
X paper	CD-R (2 copies), of	
- Parkar	erifying identity of above copies	
	G APPLICATION PARTS	1
	ers (cover sheet & document(s))	
37 CFR 3.73(b) S		ł
(when there is an		
	on Document (if applicable)	l
Information Disclo		[
Statement (IDS)/F	PTO-1449 Citations	
Preliminary Amen	ndment	
Return Receipt Po Should be specified	ostcard (MPEP 503) cally itemized)	
Certified Copy of (if foreign priority	Priority Document(s) is claimed)	
Request and Cert	tification under 35 U.S.C	
Applicant must at	tach form 122(b)(2)(B)(i).	)
PTO/SB/35 or its	•	
	Revocation and Substitute	
	ey; Appointment of Associate	
Power of Attorn	ey; Filing Formal Drawings	1
IGN PRIORITY, checata Sheet under 37	ck appropriate box, and supply the CFR 1 76	
ims priority from	U.S. Application No. 09/376,154	1
(	Group Art Unit: 1632	
	cation, from which an oath or	
	ompanying continuation or	1
corporation <u>can</u> 1 parts.	only be relied upon when a	
DRESS		1
or:	X Customer Number or Bar Code Label	1
	( (************************************	j

	alins small entity status.	•	o. M		r Amino Acid Sequence	
See 37 CF					plicable, all necessary)	
3. X Specification		10 ]	a.		adable Form (CRF)	
	arrangement set forth below)		b.	<u> </u>	Sequence Listing on:	
1	title of the Invention				or CD-R (2 copies); or	
	rence to Related Applications			ii. 🗓 paper		
- Statement	Regarding Fed sponsored R & D		C.	X Statements v	erifying identity of above copies	
- Reference	to sequence listing, a table,	Γ		ACCOMPANYIN	G APPLICATION PARTS	
or a compu	ter program listing appendix	9	9. 🛚	Assignment Pape	ers (cover sheet & document(s))	
- Background	d of the Invention	'	10. 🗍	37 CFR 3.73(b) S	Statement Power of	
- Brief Summ	nary of the Invention		-	(when there is an	assignee) Attorney	
- Brief Descr	iption of the Drawings ( if filed)	1.	11. 🛚	English Translation	on Document (if applicable)	
- Detailed De	escription	'	12. 📗	Information Disclosure Copies of IDS		
- Claim(s)				Statement (IDS)/I	PTO-1449 Citations	
	the Disclosure		13. 🛛	Preliminary Amer	ndment	
4. 🛛 Drawing(s)	(35 U.S.C. 113) [Total Sheets	5]	14. 🗓	Return Receipt P	ostcard (MPEP 503)	
5. Oath or Declarati	on [Total Sheets	3]		Should be specifi	cally itemized)	
	executed (original or copy)	1	15. 🗌	Certified Copy of	Priority Document(s)	
b. 🛛 Copy fr	om a prior application (37 CFR 1.63	(q))		(if foreign priority	is claimed)	
(for a co	ntinuation/divisional with Box 18 completed)	11	16. 🛚	Request and Cert	tification under 35 U.S.C	
i. 🛭 <u>DEL</u>	ETION OF INVENTOR(S)	ĺ		Applicant must at	tach form 122(b)(2)(B)(i).	
Signed s	tatement attached deleting inventor(s) named	in		PTO/SB/35 or its	equivalent.	
the prior	application, see 37 CFR 1.63(d)(2) and 1.33(	(b).	17. X	Other: Check; J	Revocation and Substitute	
		- 1	_	Power of Attorn	ey; Appointment of Associate	
				Power of Attorn	ey; Filing Formal Drawings	
6. Application	Data Sheet. See 37 CFR 1.76					
	INUING APPLICATION OR APPLICATION					
1 1-	elow and in a preliminary amendment, or					
Continuation				-	U.S. Application No. 09/376,154	
Prior application				(	Group Art Unit: 1632	
FOR CONTINUATIO	N or DIVISIONAL APPS only: The	entire di	SCIOSI	ure of the prior appli	ication, from which an oath or	
deciaration is supp	olied under Box 5b, is considered ion and is hereby incorporated by	a part of	tne u	isclosure of the acc	ompanying continuation or	
portion has been i	nadvertently omitted from the sub	mitted at	onlica	tion parts	only be relied upon when a	
	19. CORRE					
	Correspondence address below			or:	X Customer Number or Bar Code Label	
Firm Name					1 (177), (178), (178), (179), (179), (179)	
Address				<del></del>		
City, State, Zip					00500	
Country					00500	
Telephone		Fax	7		PATENT TRADEMARK OFFICE	
		1,44	P	egistration No.		
Name (Print/Type)	William T. Christiansen, Ph.D.		,	ttorney/Agent)	44,614	
Signature	2 000		Ť	<del></del>	August 2, 2004	
Signature	m 100		De	ate 	August 3, 2001	
Burden Hour Statement The	s form is estimated to take 0.2 hours to complete	Time will va	ary depe	ending upon the needs of the	e individual case. Any comments on the amount	

of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231 DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO. Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231

## 

FEE	TR	AN	SMI	T	ΓAL
+	for	FY	200	1	

Patent fees are subject to annual revision

TOTAL AMOUNT OF PAYMENT (\$) 710

	Complete if Known				
Application Number					
Filing Date	August 3, 2001				
First Named Inventor	William A. Horne				
Examiner Name					
Group Art Unit					
Attorney Docket No.	480140.428D3				

METHOD OF PAYMENT	FEE CALCULATION (continued)						
The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:	Large		Şn		_		
Deposit	Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description Fee Paid		
Account Number 19-1090	105	130	205		Surcharge - late filing fee or oath		
Deposit	127	50	227				
Account Seed Intellectual Property Law Group PLLC	139	130	139	130	Non-English specification		
Charge Any Additional Fee Required Under 37 CFR 1 16 and 1.17	147	2,520	147	2,520	For filing a request for ex parte reexamination		
and credit any overpayment to Deposit Account Number above.	112	920*	112	920*	Requesting publication of SIR prior to Examiner action		
Applicant claims small entity status. See 37 CFR 1.27  2. Payment Enclosed:	113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action		
_ n n n n	115	110	215	55	Extension for reply within first month		
Check Credit card Money Other	116	390	216	195	Extension for reply within second month		
FEE CALCULATION	117	890	217	445	Extension for reply within third month		
1. BASIC FILING FEE	118	1,390	218	695	Extension for reply within fourth month		
Large Entity Small Entity Fee Fee Fee Fee Description	128	1,890	228	945	Extension for reply within fifth month		
Fee Fee Fee Fee Description  Code (\$) Code (\$) Fee Paid	119	310	219	155	Notice of Appeal		
101 710 201 355 Utility filing fee <b>710</b>	120	310	220	155	Filing a brief in support of an appeal		
710	121	270	221	135	Request for oral hearing		
107 490 207 245 Plant filing fee	138	1,510	138	1,510	Petition to institute a public use proceeding		
108 710 208 355 Reissue filing fee	140	110	240		Petition to revive – unavoidable		
114 150 214 75 Provisional filing fee	141	1,240	241	620	<del></del>		
SUBTOTAL (1) (\$) 710	142	1,240	242	620	Utility issue fee (or reissue)		
2. EXTRA CLAIM FEES	143	440	243	220	Design issue fee		
Extra Fee from Fee	144	600	244	300	Plant issue fee		
Claims below Paid	122	130	122	130			
Total Claims 8 = 0 X	123	130	123	130	Petitions related to provisional applications		
Independent Claims X = 0 X	126	180	126	180	Submission of Information Disclosure Stmt		
Multiple Dependent  Large Entity Small Entity	581	40	581	40	Recording each patent assignment per property (times number of properties)		
Fee Fee Fee Fee Code (\$) Code (\$)	146	710	246	355	Filing a submission after final rejection (37 CFR § 1.129(a))		
103 18 203 9 Clarms in excess of 20 102 80 202 40 Independent claims in excess of 3	149	710	249		For each additional invention to be examined (37 CFR § 1.129(b))		
104 270 204 135 Multiple dependent claim, if not paid	179	710	279	355	Request for Continued Examination (RCE)		
original patent	169	900	169	900	Request for expedited examination of a design application		
110 18 210 9 Neissae claims in excess of 20 and over original patent	Other fee	• •					
SUBTOTAL (2) (\$) 0	*Reduce	d by Bas	sic Filing	Fee Pa	aid SUBTOTAL (3) (\$) 0		
**or number previously paid, if greater, For Reissues, see above							
SUBMITTED BY	d						
Name (Print/Type) William T. Christiansen, Ph.D.	Registration Attorney/A		44,6	14			
Firm Name/ Address					00500		
	<del></del>				<del></del> 00200		

August 3, 2001

PATENT TRADEMARK OFFICE

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

**Applicants** 

: William A. Horne et al.

Title

HUMAN BAD POLYPEPTIDES, ENCODING NUCLEIC ACIDS

AND METHODS OF USE

Docket No.

: 480140.428D3

Filed

: August 3, 2001

Date

August 3, 2001

Box Patent Application Commissioner for Patents Washington, DC 20231

## FILING FORMAL DRAWINGS

Commissioner for Patents:

Enclosed are 5 sheets of formal drawings, Figures 1-4, for filing in the above-identified application.

Respectfully submitted,

Seed Intellectual Property Law Group PLLC

William T. Christiansen, Ph.D.

Registration No. 44,614

WTC:rap

**Enclosures:** 

Postcard

Formal Drawings (5 sheets, Figs. 1-4)

701 Fifth Avenue, Suite 6300 Seattle, Washington 98104-7092

Phone: (206) 622-4900 Fax: (206) 682-6031 D:\nrPortbluManage\nr0SIEP\202724\_IDOC